

The graphic features a large, stylized blue 'P' on the left, followed by the word 'Plan' in a blue, blocky font. To the right of 'Plan' is the word 'BayArea' in a bold, black, sans-serif font. A vertical blue line runs down the left side of the slide, and a horizontal blue line runs across the middle, intersecting the text.

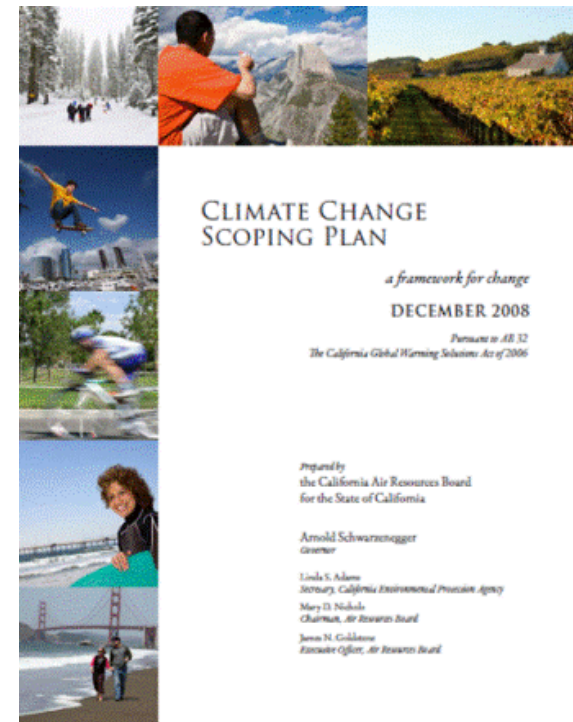
Plan BayArea

**Developing a Sustainable Community Strategy
for the Bay Area**

**Steve Heminger, MTC Executive Director
September 14, 2011**

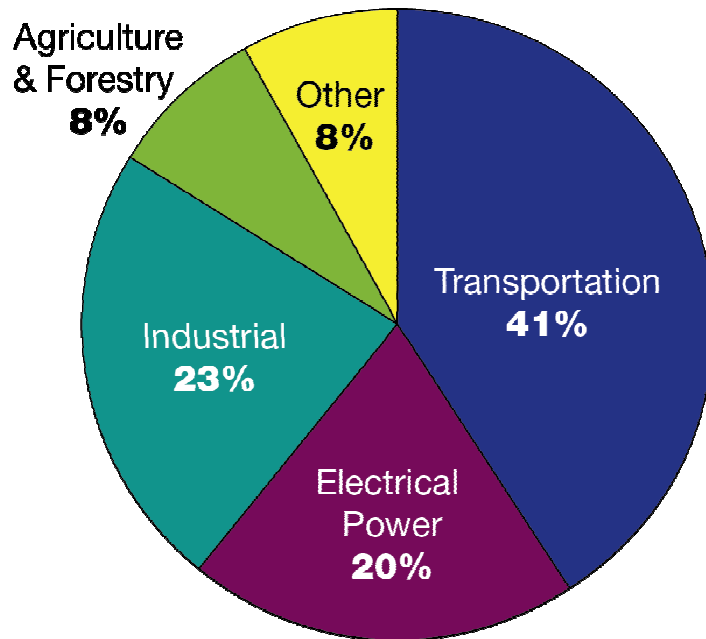
AB 32 Global Warming Solutions Act of 2006

- AB 32 establishes the first comprehensive program of regulatory and market mechanisms in the nation to achieve greenhouse gas (GHG) emissions reductions
- AB 32 sets GHG emissions limit for 2020 at 1990 level
 - Acknowledges that 2020 is not the endpoint
 - Points way towards 80% reduction by 2050
- Air Resources Board (ARB) adopted a Scoping Plan to achieve AB 32's GHG emissions reduction target



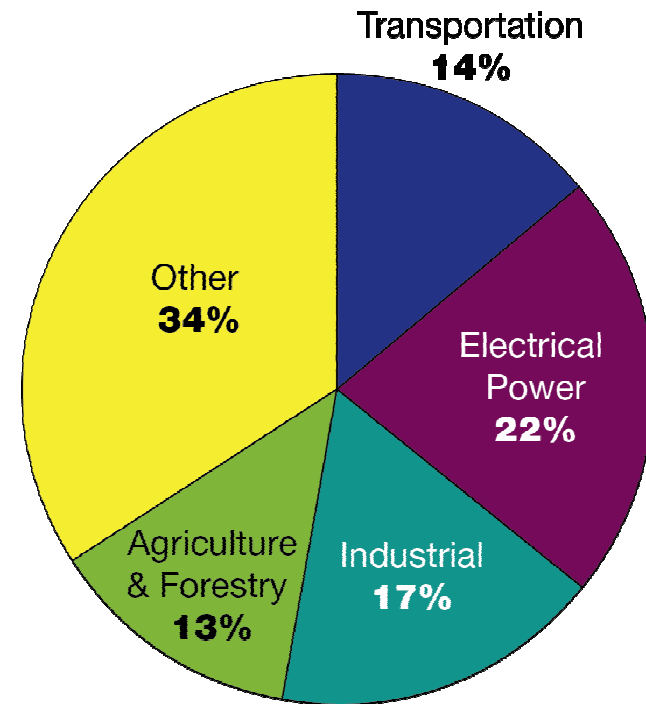
Greenhouse Gas Emissions By Source

**California Greenhouse Gas Emissions
By Source**



Source: California Climate Action Team

**World Greenhouse Gas Emissions
By Source**



Source: U.S. Energy Information Administration

California's Three Pronged Approach to Reducing Transportation Greenhouse Gases

(AB 32 Scoping Plan estimates for GHG reductions in 2020)

- Cleaner vehicles (Pavley, AB 32) - 38 million metric tons
- Cleaner fuels (Low-Carbon Fuel Standard) - 15 million metric tons
- More sustainable communities (SB 375) - 5 million metric tons



ARB Adopted GHG Targets — September 2010

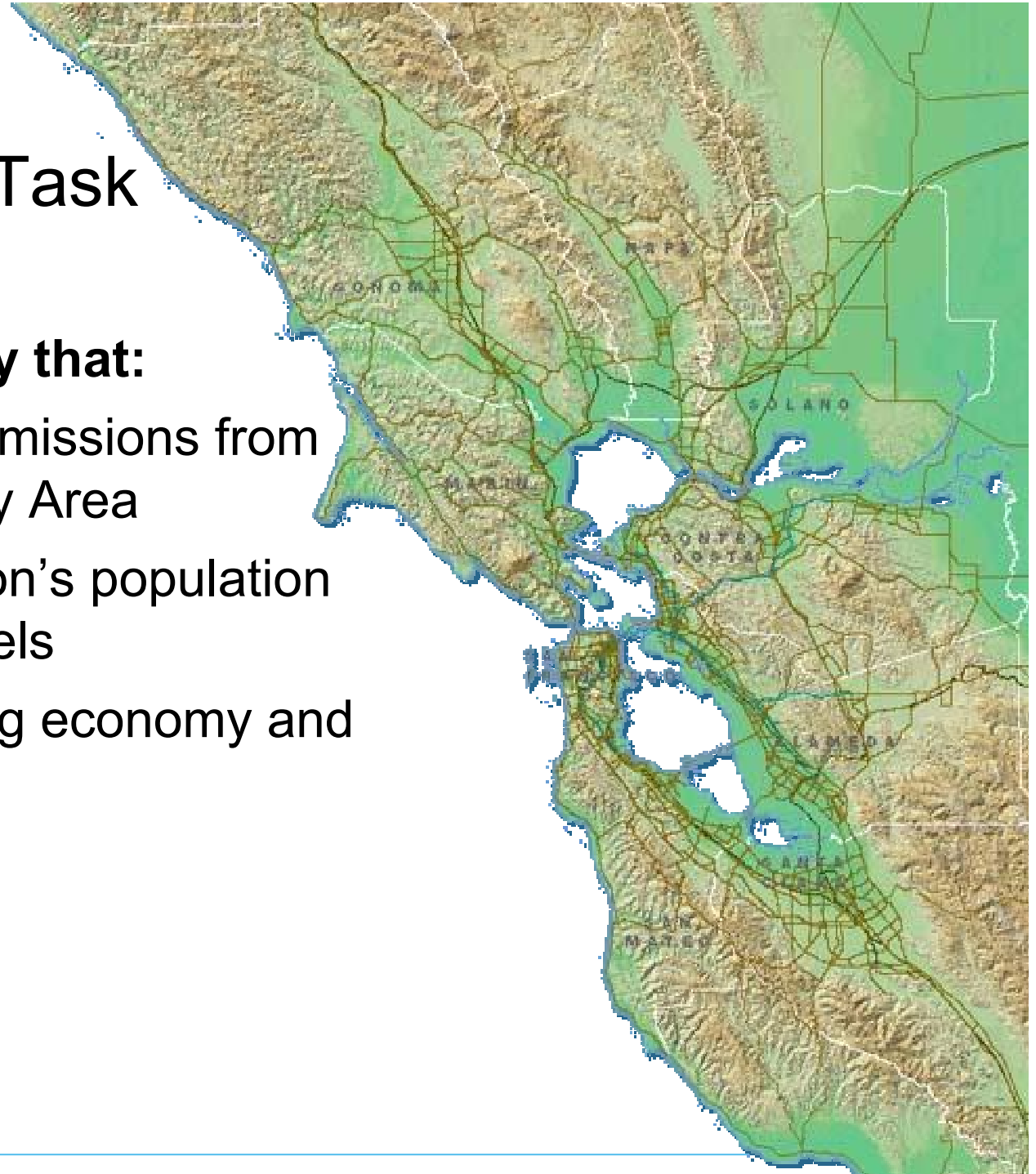
Percent Reduction in Per Capita Emissions from 2005 to Target Year		
	2020	2035
Bay Area	7%	15%
Sacramento	7%	16%
San Diego	7%	13%
Los Angeles	8%	13%
Central Valley	5%	10%

SB 375

The Regional Task

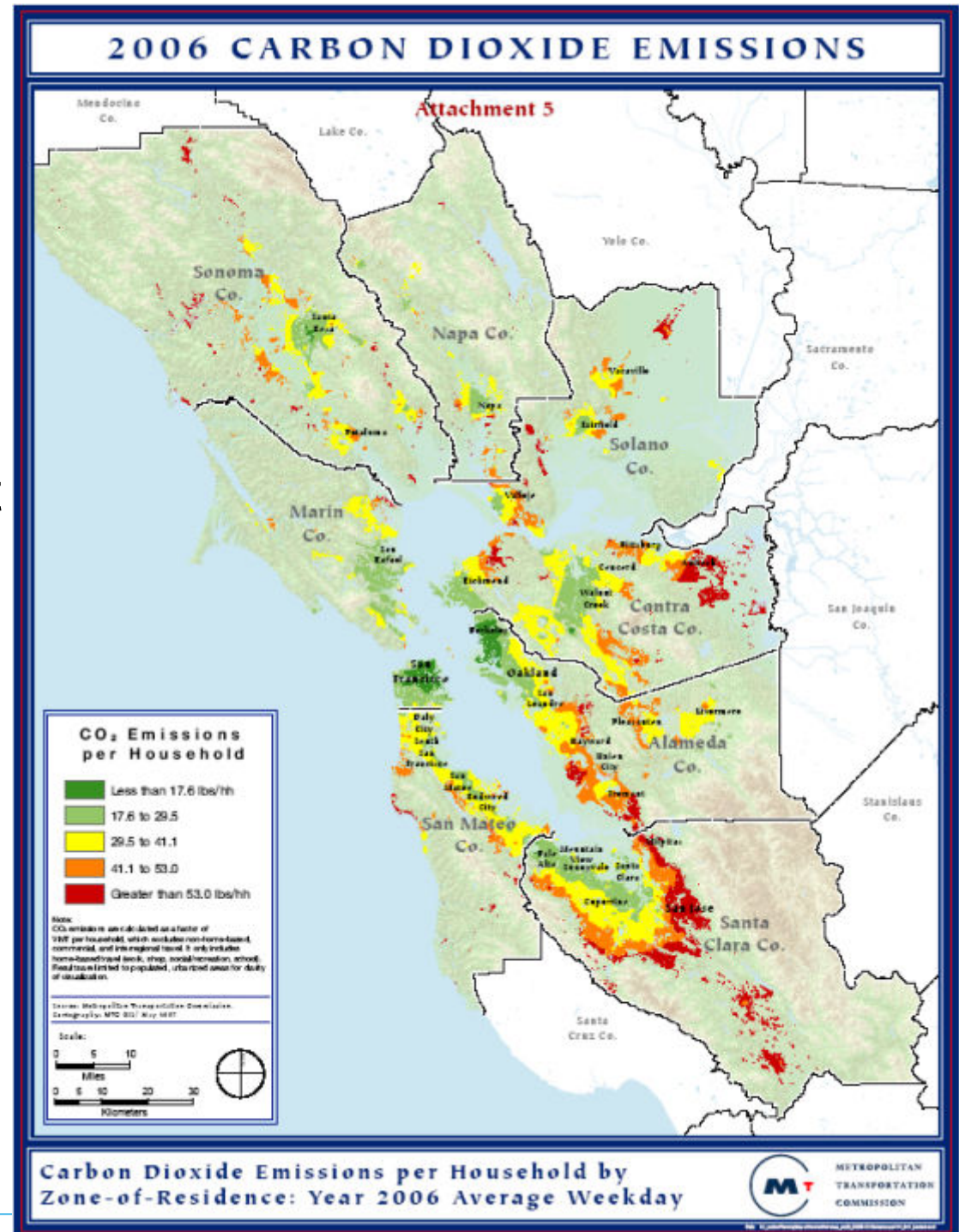
Develop a strategy that:

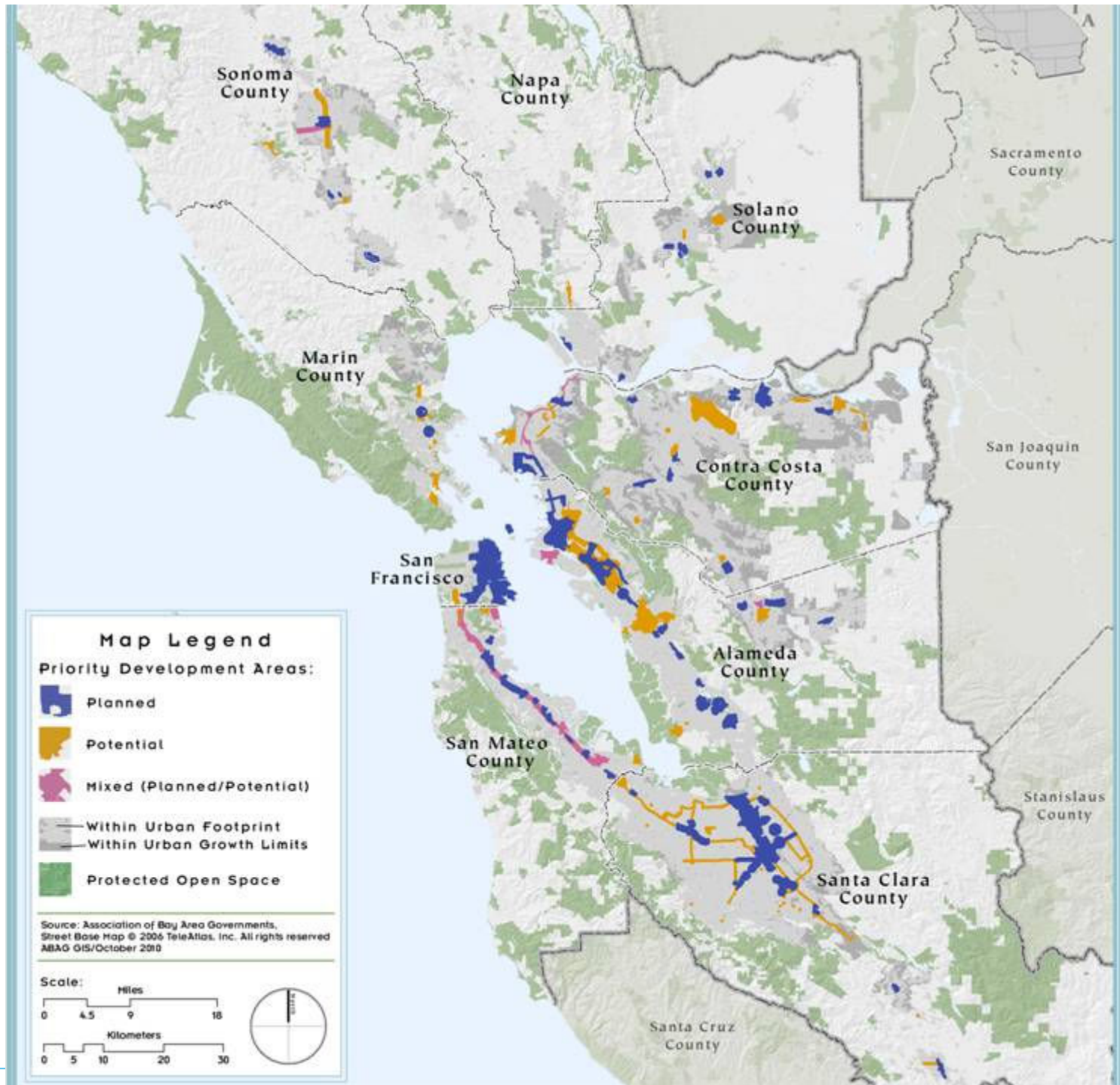
- Reduces GHG emissions from driving in the Bay Area
- Houses the region's population at all income levels
- Supports a strong economy and quality of life



Location Matters

- **Growing Cooler:**
Compared to sprawl, compact development results in a 20 to 40 percent reduction in VMT and hence in CO₂



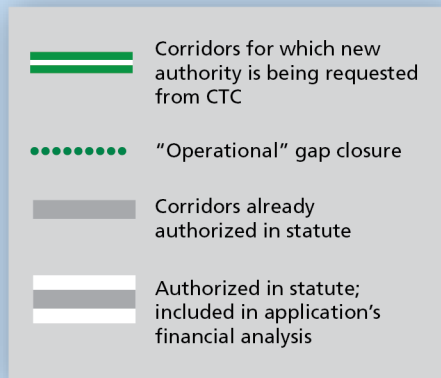


Price Matters Too

- **Core Pricing:**
Driving is more expensive in the urban core with higher parking costs and bridge tolls

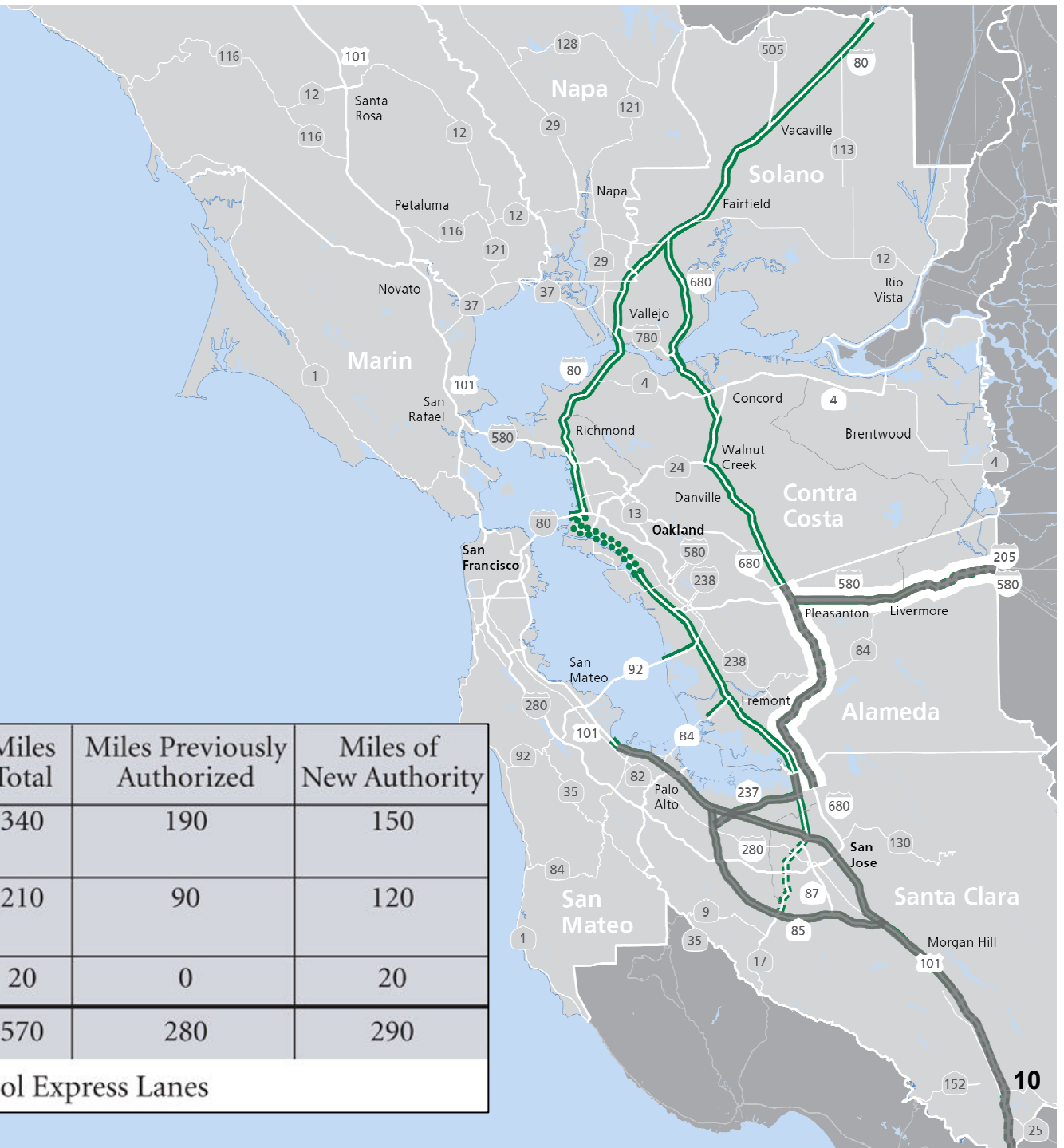


CTC Application Express Lane Network



	Miles Total	Miles Previously Authorized	Miles of New Authority
Convert existing HOV lanes to Express Lanes*	340	190	150
Widen existing freeways to create Express Lanes	210	90	120
Operational gap closure	20	0	20
Total	570	280	290

*includes the existing I-680 Sunol Express Lanes



Adapting to a Rising Bay

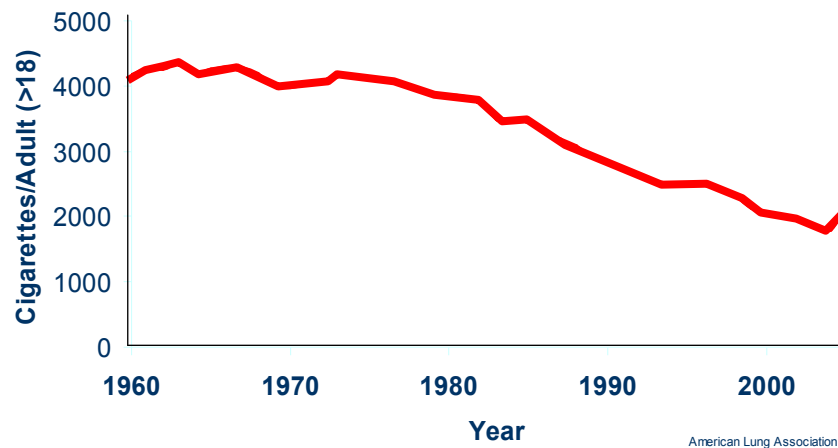
- Bay Area Cost of Required Defenses to Guard Against Flooding from 1.4 meter sea-level rise: **\$5.3 billion**
- Replacement Value of Bay Area Buildings and Contents at Risk of 100-year Flood due to 1.4 meter sea-level rise: **\$62 billion**
(50% residential cost)



Changes In Attitude and Behavior Are Essential

- Breakthroughs are possible!

Annual U.S. Cigarette Consumption



California's Recycling Rate

